

WHAT IS CLAIMED IS:

1. A method of controlling an image sensing apparatus, which has an image sensor, a flash light used to illuminate an object with light, and an image  
5 sensing instruction unit, comprising:  
sensing a first image while causing the flash light to emit light in response to an image sensing designation by the image sensing instruction unit;  
calculating a color temperature for processing  
10 the first image using at least color temperature information of the first image.
2. The method according to claim 1, further comprising determining whether or not to sense an image using the flash light.
- 15 3. The method according to claim 2, further comprising storing a second image obtained immediately before the emission of the flash light in a storage device,  
wherein in said calculating of the color  
20 temperature, a color temperature of the first image is calculated using the first and second images.
4. The method according to claim 3, wherein the second image is an image obtained before the emission of the flash light in response to the image sensing  
25 designation by the image sensing instruction unit.
5. The method according to claim 3, wherein the second image is an image obtained before the emission

of the flash light when it is determined to sense an image using the flash light.

6. The method according to claim 3, wherein said calculating of the color temperature includes detecting  
5 a color temperature of an external light using the second image.

7. The method according to claim 3, wherein said calculating of the color temperature includes detecting a ratio of brightness between the flash light and  
10 external light using the second image.

8. The method according to claim 1, further comprising applying white balance correction corresponding to the calculated color temperature to the first image.

15 9. The method according to claim 1, wherein said calculating of the color temperature includes calculating a color temperature of the flash light using the first image.

10. The method according to claim 1, wherein said  
20 calculating of the color temperature includes calculating a ratio of brightness between the flash light and an external light using the first image.

11. The method according to claim 9, wherein said calculation of the color temperature further comprises:  
25 detecting a color temperature of external light using the second image;

detecting a ratio of brightness between the flash

light and external light using the first and second images; and

          mixing the color temperatures of the external light and the flash light on the basis of the ratio of  
5 brightness between the flash light and the external light.

12. The method according to claim 11, wherein said mixing of the color temperatures includes mixing, when an exposure condition upon sensing the first image is  
10 different from that upon sensing the second image, the color temperatures by correcting a difference due to the exposure conditions.

13. The method according to claim 11, wherein said mixing of the color temperatures includes mixing, when  
15 a sensitivity level of the image sensor upon sensing the first image is different from that of the image sensor upon sensing the second image, the color temperatures by correcting a sensitivity difference.

14. The method according to claim 11, wherein said  
20 mixing of the color temperatures includes mixing, when a spectral sensitivity level upon sensing the first image is different from that of the image sensor upon sensing the second image, the color temperatures by correcting a spectral sensitivity difference.

25 15. A controller for an image sensing apparatus, which has an image sensor, a flash light used to illuminate an object with light, and an image sensing

instruction unit, comprising:

a first image sensing controller which controls  
to sense a first image while causing the flash light to  
emit light in response to an image sensing designation  
5 by the image sensing instruction unit;

a color temperature calculation unit which  
calculates a color temperature for processing the first  
image using at least color temperature information of  
the first image.

10 16. The controller according to claim 15, further  
comprising a determination unit which determines  
whether or not to sense an image using the flash light.

17. The controller according to claim 16, further  
comprising a second image sensing controller which  
15 controls to store a second image obtained immediately  
before the emission of the flash light in a storage  
device,

wherein said color temperature calculation unit  
calculates a color temperature of the first image is  
20 calculated using the first and second images.

18. The controller according to claim 17, wherein the  
second image is an image obtained before the emission  
of the flash light in response to the image sensing  
designation by the image sensing instruction unit.

25 19. The controller according to claim 17, wherein the  
second image is an image obtained before the emission  
of the flash light when determination unit determined

to sense an image using the flash light.

20. The controller according to claim 17, wherein  
said color temperature calculation unit includes a unit  
which detects a color temperature of external light  
5 using the second image.

21. The controller according to claim 17, wherein  
said color temperature calculation unit includes a unit  
which detects a ratio of brightness between the flash  
light and external light using the second image.

10 22. The controller according to claim 15, further  
comprising a white balance correction unit which  
applies white balance correction corresponding to the  
calculated color temperature to the first image.

23. The controller according to claim 15, wherein  
15 said color temperature calculation unit includes a unit  
which calculates a color temperature of the flash light  
using the first image.

24. The controller according to claim 15, wherein  
said color temperature calculation unit includes a unit  
20 which calculates a ratio of brightness between the  
flash light and external light using the first image.

25. The controller according to claim 23, wherein  
said color temperature calculation unit comprises:

a unit which detects a color temperature of  
25 external light using the second image;

a unit which detects a ratio of brightness  
between the flash light and external light using the

first and second images; and

a unit which mixes the color temperatures of the external light and the flash light on the basis of the ratio of brightness between the flash light and  
5 external light.

26. The controller according to claim 25, wherein when an exposure condition upon sensing the first image is different from that upon sensing the second image, said mixing unit mixes the color temperatures by  
10 correcting a difference due to the exposure conditions.

27. The controller according to claim 25, wherein when a sensitivity level of the image sensor upon sensing the first image is different from that of the image sensor upon sensing the second image, said mixing  
15 unit mixes the color temperatures by correcting a sensitivity difference.

28. The controller according to claim 25, wherein when a spectral sensitivity level upon sensing the first image is different from that of the image sensor upon sensing the second image, said mixing unit mixes  
20 the color temperatures by correcting a spectral sensitivity difference.

29. An image sensing apparatus including a controller of claim 15.

25 30. A storage medium storing a program which has a program code for implementing a control method of claim 1, and can be executed by an information processing

apparatus.

31. A storage medium storing a program, which can be  
executed by an information processing apparatus, that  
makes the information processing apparatus, which  
5 executes the program, function as a controller of claim  
15.